

D.T.S
Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

(117)

Name of Work: Package-01

1. Construction of Govt. School Rooms, Palanahalli and Kattigehalli Village in Ward No.05 (Kattigehalli)
2. Improvement to Roads and Drains in Agrahara, Agrahara Layout and Surrounding area in Ward No.05
3. Improvement to Roads and Drains in Kogilu Layout and Surrounding area in Ward No.05
4. Improvement to Roads and Drains at Tirumenahalli and Surrounding area in Ward No.05
5. Improvement to Roads and Drains from Jakkur Double Road to Jakkur Village Surrounding area in Ward No.05

Draft Tender Schedule

SI No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. As per the direction of Engineer incharge	Cum	1294.20	202.92	Rupees Two Hundred Two And Paise Ninety Two Only
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) As per the direction of Engineer incharge	Sqm	1973.38	80.56	Rupees Eighty And Paise Fifty Six Only
3	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick As per the direction of Engineer incharge	Sqm	1510.34	665.68	Rupees Six Hundred Sixty Five And Paise Sixty Eight Only
4	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. As per the direction of Engineer incharge	Cum	4279.68	164.76	Rupees One Hundred Sixty Four And Paise Seventy Six Only
5	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. As per the direction of Engineer incharge	Cum	4270.68	1768.08	Rupees One Thousand Seven Hundred Sixty Eight And Paise Eight Only
6	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per the direction of Engineer incharge	Sqm	17082.70	27.56	Rupees Twenty Seven And Paise Fifty Six Only
7	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. As per the direction of Engineer incharge	Sqm	17082.70	12.72	Rupees Twelve And Paise Seventy Two Only
8	Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. As per the direction of Engineer incharge	Cum	683.31	8118.54	Rupees Eight Thousand One Hundred Eighteen And Paise Fifty Four Only
9	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. As per the direction of Engineer incharge	Sqm	710.60	542.72	Rupees Five Hundred Forty Two And Paise Seventy Two Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	4.50	5348.76	Rupees Five Thousand Three Hundred Forty Eight And Paise Seventy Six Only
	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)	Cum	45.45	6217.96	Rupees Six Thousand Two Hundred Seventeen And Paise Ninety Six Only
12	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	454.50	95.40	Rupees Ninety Five And Paise Forty Only
13	Earthwork in surface excavation in Ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Note : Adopt item 2.24 for excavation in all types of soils for lowering & levelling the ground for building works by mechanical means	Cum	76.50	169.56	Rupees One Hundred Sixty Nine And Paise Fifty Six Only
14	Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.	Cum	151.10	204.12	Rupees Two Hundred Four And Paise Twelve Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
	Providing and injecting chemical emulsion for Pre-constructional Chemical Treatment, creating continuous chemical barrier around the column pits, walls, trenches, basement walls, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, H.O.M of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured)	Sqm	211.00	111.24	Rupees One Hundred Eleven And Paise Twenty Four Only
16	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85Cum. and fine aggregates @ 0.57Cum. machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	39.10	5256.36	Rupees Five Thousand Two Hundred Fifty Six And Paise Thirty Six Only
17	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Ground Floor	Cum	4.50	5876.28	Rupees Five Thousand Eight Hundred Seventy Six And Paise Twenty Eight Only
18	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Terrace	Cum	1.00	5984.28	Rupees Five Thousand Nine Hundred Eighty Four And Paise Twenty Eight Only
19	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Window Cills	Cum	0.20	5930.28	Rupees Five Thousand Nine Hundred Thirty And Paise Twenty Eight Only
20	Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications.	cum	311.30	274.32	Rupees Two Hundred Seventy Four And Paise Thirty Two Only
21	Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications.	Cum	0.40	2054.16	Rupees Two Thousand Fifty Four And Paise Sixteen Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.	Sqm	58.40	249.48	Rupees Two Hundred Forty Nine And Paise Forty Eight Only
23	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	79.20	316.44	Rupees Three Hundred Sixteen And Paise Forty Four Only
24	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Below Ground Floor	Sqm	10.70	395.28	Rupees Three Hundred Ninety Five And Paise Twenty Eight Only
25	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Ground Floor	Sqm	81.40	395.28	Rupees Three Hundred Ninety Five And Paise Twenty Eight Only
26	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. First Floor	Sqm	30.30	400.68	Rupees Four Hundred And Paise Sixty Eight Only
27	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Lintel	Sqm	139.70	276.48	Rupees Two Hundred Seventy Six And Paise Forty Eight Only
28	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. First Floor	Sqm	11.60	281.88	Rupees Two Hundred Eighty One And Paise Eighty Eight Only
29	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Roof Beam	Sqm	28.70	276.48	Rupees Two Hundred Seventy Six And Paise Forty Eight Only
30	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. First Floor	Sqm	28.70	281.88	Rupees Two Hundred Eighty One And Paise Eighty Eight Only
31	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Ground Floor	Sqm	9.90	291.60	Rupees Two Hundred Ninety One And Paise Only
32	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. First Floor	Sqm	2.60	297.00	Rupees Two Hundred Ninety Seven Only
33	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specifications. Ground Floor	Sqm	10.40	513.00	Rupees Five Hundred Thirteen Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
34	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level.Ground Floor	Sqm	208.40	338.04	Rupees Three Hundred Thirty Eight And Paise Only
35	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. First Floor	Sqm	34.80	343.44	Rupees Three Hundred Forty Three And Paise Four Only
36	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 Cum. and fine aggretes @ 0.47Cum., with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum	21.00	6718.68	Rupees Six Thousand Seven Hundred Eighteen And Paise Sixty Eight Only
37	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggretes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.Ground Floor	Cum	49.50	6876.36	Rupees Six Thousand Eight Hundred Seventy Six And Paise Thirty Six Only
38	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggretes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. First Floor	Cum	10.00	6930.36	Rupees Six Thousand Nine Hundred Thirty And Paise Thirty Six Only

	Description of Item	Unit	Quantity	Rate, Rs 112	
				In Figures	In Words
39	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175Cum. and fine aggregates @ 0.0345Cum., with superplasticiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Ground Floor	Sqm	9.90	492.48	Rupees Four Hundred Ninety Two And Paise Forty Eight Only
40	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175Cum. and fine aggregates @ 0.0345Cum., with superplasticiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. First Floor	Sqm	2.60	497.88	Rupees Four Hundred Ninety Seven And Paise Eighty Eight Only
41	Extra for providing throating or drip moulding to R.C.C. chajja with plastering (labour charges only) as per specifications. Ground Floor	m	16.40	21.60	Rupees Twenty One And Paise Sixty Only
42	Extra for providing throating or drip moulding to R.C.C. chajja with plastering (labour charges only) as per specifications. First Floor	m	4.20	21.60	Rupees Twenty One And Paise Sixty Only
43	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Below Ground Level	Tonne	7.80	65455.56	Rupees Sixty Five Thousand Four Hundred Fifty Five And Paise Fifty Six Only
44	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. First Floor	Tonne	1.30	65965.32	Rupees Sixty Five Thousand Nine Hundred Sixty Five And Paise Thirty Two Only
45	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	18.60	5405.40	Rupees Five Thousand Four Hundred Five And Paise Forty Only
46	KSRB 5.4-3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13	Cum	8.00	5668.92	Rupees Five Thousand Six Hundred Sixty Eight And Paise Ninety Two Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
47	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	17.60	104.76	Rupees One Hundred Four And Paise Seventy Six Only
48	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. Ground Floor	Sqm	239.60	1011.96	Rupees One Thousand Eleven And Paise Ninety Six Only
49	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. First Floor	Sqm	55.70	1017.36	Rupees One Thousand Seventeen And Paise Thirty Six Only
50	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. Terrace	Sqm	10.80	1022.76	Rupees One Thousand Twenty Two And Paise Seventy Six Only
51	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. Ground Floor	Sqm	6.00	773.28	Rupees Seven Hundred Seventy Three And Paise Twenty Eight Only
52	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. First Floor	Sqm	9.80	778.68	Rupees Seven Hundred Seventy Eight And Paise Sixty Eight Only
53	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. Terrace	Sqm	66.80	784.08	Rupees Seven Hundred Eighty Four And Paise Eight Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
54	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Ground Floor	Sqm	363.00	213.84	Rupees Two Hundred Thirteen And Paise Eighty Four Only
55	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. First Floor	Sqm	76.00	224.64	Rupees Two Hundred Twenty Four And Paise Sixty Four Only
56	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Terrace	Sqm	154.00	235.44	Rupees Two Hundred Thirty Five And Paise Four Only
57	Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. Ground Floor	Sqm	472.00	8.64	Rupees Eight And Paise Sixty Four Only
58	Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. First Floor	Sqm	76.00	8.64	Rupees Eight And Paise Sixty Four Only
59	Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. Terrace	Sqm	45.00	8.64	Rupees Eight And Paise Sixty Four Only
60	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) Ground Floor	m	457.00	36.00	Rupees Thirty Six Only
61	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) First Floor	m	123.00	36.00	Rupees Thirty Six Only
62	Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Internal Plastering) Ground Floor	sqm	310.00	180.36	Rupees One Hundred Eighty And Paise Thirty Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
63	Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Internal Plastering) First Floor	sqm	61.00	185.76	Rupees One Hundred Eighty Five And Paise Sixty
64	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Ground Floor	sqm	205.00	208.44	Rupees Two Hundred And Paise Forty Four
65	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. First Floor	sqm	36.00	213.84	Rupees Two Hundred Thirteen And Paise Eighty Four Only
66	Flooring with 20 mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Ground Floor	sqm	235.00	1294.92	Rupees One Thousand Hundred Ninety Four Paise Ninety Two Only
67	Flooring with 20 mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. First Floor	sqm	48.00	1296.54	Rupees One Thousand Hundred Ninety Six And Paise Fifty Four Only
68	Providing half nosing for 20mm thick granite / shahbad slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification Ground Floor	Rmt	52.00	170.64	Rupees One Hundred Seventy And Paise Sixty Four Only
69	Providing half nosing for 20mm thick granite / shahbad slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification First Floor	Rmt	26.00	170.64	Rupees One Hundred Seventy And Paise Sixty Four Only
70	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Ground Floor	Sqm	363.00	163.08	Rupees One Hundred Sixty Three And Paise Eighty Eight Only
71	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. First Floor	Sqm	76.00	169.56	Rupees One Hundred Sixty Nine And Paise Fifty Six Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
72	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Terrace	Sqm	154.00	176.04	Rupees One Hundred Seventy Six And Paise Forty Only
73	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. (Internal Walls) Ground Floor	Sqm	515.00	60.48	Rupees Sixty And Paise Forty Eight Only
74	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. (Internal Walls) First Floor	Sqm	98.62	60.48	Rupees Sixty And Paise Forty Eight Only
75	Providing and applying painting in two coats with plastic emulsion paint of approved brand to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer Ground Floor	Sqm	310.00	97.20	Rupees Ninety Seven And Paise Twenty Only
76	Providing and applying painting in two coats with plastic emulsion paint of approved brand to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer First Floor	Sqm	61.00	97.20	Rupees Ninety Seven And Paise Twenty Only
77	Providing and applying painting in two coats with plastic emulsion paint of approved brand to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications. Ground Floor	Sqm	205.00	101.52	Rupees One Hundred One And Paise Fifty Two Only
78	Providing and applying painting in two coats with plastic emulsion paint of approved brand to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications. First Floor	Sqm	36.00	101.52	Rupees One Hundred One And Paise Fifty Two Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
79	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after thoroughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. Ground Floor	Sqm	25.00	31.32	Rupees Thirty One And Paise Thirty Two Only
80	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after thoroughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. First Floor	Sqm	5.00	31.32	Rupees Thirty One And Paise Thirty Two Only
81	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Ground Floor	Sqm	25.00	88.56	Rupees Eighty Eight And Paise Fifty Six Only
82	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. First Floor	Sqm	5.00	88.56	Rupees Eighty Eight And Paise Fifty Six Only
83	Door Frame - Entrance : Providing & fixing factory made Galvanized plain steel door frame of profile size 125 x 60 mm single rebate manufactured from galvanized plain steel sheet 1.25 mm thick, conforming to IS:277. The door frame consists of hinge jamb, lock jamb, head & bottom tie bars, supply in knockdown condition & to be assembled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60 mm thick pressed angle 20 x 20 mm screwed to the door frame. The stiffeners of 3 mm thick pre- punched & pre-trapped are to be welded inside the pre-punched slots of the door frames & 4 nos. of S.S. butt hinges 100 x 59 x 2.5 mm to be screwed to the door frame. The necessary stiffeners & mortar guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre- treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/ hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the	Rmt	26.10	658.80	Rupees Six Hundred Fifty Eight And Paise Eighty Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
84	Door Frame - Entrance : Providing & fixing factory made Galvanized plain steel door frame of profile size 125 x 60 mm single rebate manufactured from galvanized plain steel sheet 1.25 mm thick, conforming to IS:277. The door frame consists of hinge jamb, lock jamb, head & bottom tie bars, supply in knockdown condition & to be assembled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60 mm thick pressed angle 20 x 20 mm screwed to the door frame. The stiffeners of 3 mm thick pre- punched & pre-trapped are to be welded inside the pre-punched slots of the door frames & 4 nos. of S.S. butt hinges 100 x 59 x 2.5 mm to be screwed to the door frame. The necessary stiffeners & mortar guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre- treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/ hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the	Rmt	5.30	658.80	Rupees Six Hundred Fifty Eight And Paise Eighty Only
85	Door Shutters Entrance : Providing & fixing factory made Galvanized steel door Shutters 32 mm thick manufactured from pre-painted Galvanized plain steel sheet 0.60 mm thick conforming to the IS: 14246. The door shutters consist of two outer skins if steel sheets, lock seam jointed at vertical stile edges, horizontal top & bottom sides to form a double skin fully flush shell. Rigid polyurethane Foam (PUF) of density 40 Kg/M3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60 mm to be provided for fixing all hardware fixtures. The rate is including MS Doorlock, MS Aldrop, 2nos of oxidised MS Handles, 2nos. of 300mm long Tower Bolt, transportation, loading, unloading, HOM etc. Ground Floor	Sqm	11.20	3812.40	Rupees Three Thousand Eight Hundred Twelve And Paise Forty Only
86	Door Shutters Entrance : Providing & fixing factory made Galvanized steel door Shutters 32 mm thick manufactured from pre-painted Galvanized plain steel sheet 0.60 mm thick conforming to the IS: 14246. The door shutters consist of two outer skins if steel sheets, lock seam jointed at vertical stile edges, horizontal top & bottom sides to form a double skin fully flush shell. Rigid polyurethane Foam (PUF) of density 40 Kg/M3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60 mm to be provided for fixing all hardware fixtures. The rate is including MS Doorlock, MS Aldrop, 2nos of oxidised MS Handles, 2nos. of 300mm long Tower Bolt, transportation, loading, unloading, HOM etc. First Floor	Sqm	2.30	3812.40	Rupees Three Thousand Eight Hundred Twelve And Paise Forty Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
87	Providing and fixing in position in cement concrete 1:3:6 steel glazed or Unglazed windows fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm thick reeded glass with teakwood beading of required size or 1mm thick MS Sheet and 11 nos of 10mm square MS horizontal gaurd bars, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Ground Floor	Sqm	18.80	4277.16	Rupees Four Thousand Two Hundred Seventy Seven And Paise Sixteen Only
88	Providing and fixing in position in cement concrete 1:3:6 steel glazed or Unglazed windows fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm thick reeded glass with teakwood beading of required size or 1mm thick MS Sheet and 11 nos of 10mm square MS horizontal gaurd bars, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. First Floor	Sqm	1.50	4282.56	Rupees Four Thousand Two Hundred Eighty Two And Paise Fifty Six Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
89	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/ sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick joint less cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished	Sqm	288.00	976.32	Rupees Nine Hundred Seventy Six And Paise Thirty Two Only
90	Providing and fixing M.S. Hand railing for Balcony / Staircase etc., with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections should be cut to length, welded and grinded wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	Sqm	11.00	2857.68	Rupees Two Thousand Eight Hundred Fifty Seven And Paise Sixty Eight Only
91	Providing and fixing on wall surface 2.5kg/sq.cm P.V.C rain down water pipes (Spouts) 110mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications.	Rmt	8.00	507.60	Rupees Five Hundred Seven And Paise Sixty Only
92	Providing wall black boards in CM 1:3 with two coats of black paint including finishing etc., complete. (2.4mx1.5m) Ground Floor	Each	5.00	992.52	Rupees Nine Hundred Ninety Two And Paise Fifty Two Only
93	Providing wall black boards in CM 1:3 with two coats of black paint including finishing etc., complete. (2.4mx1.5m) First Floor	Each	1.00	992.52	Rupees Nine Hundred Ninety Two And Paise Fifty Two Only
94	Supplying heavy gauge PVC Conduit Pipe dia mm thick with suitable size bends, metal junction boxes adhesive paste etc., by Groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 25mm dia 2mm thick	Mtr	385.00	57.00	Rupees Fifty Seven Only

	Description of Item	Unit	Quantity	Rate, Rs (105)	
				In Figures	In Words
95	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete. 10"x7"x3" (254x178x76mm)	Each	9.00	87.00	Rupees Eighty Seven Only
96	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete. 8"x6"x3" (203x152x76mm)	Each	5.00	68.00	Rupees Sixty Eight Only
97	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A	Each	14.00	174.00	Rupees One Hundred Seventy Four Only
98	Supplying 6A flush type socket and 6 amps flush type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required	Each	16.00	150.00	Rupees One Hundred Fifty Only
99	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1.5 sq. mm.	Mtr	485.00	18.60	Rupees Eighteen And Paise Sixty Only
100	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 2.5 sq. mm.	Mtr	970.00	29.20	Rupees Twenty Nine And Paise Twenty Only
101	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 6 sq. mm.	Mtr	60.00	85.40	Rupees Eighty Five And Paise Forty Only
102	Supplying 4mm thick plastic sheet with necessary niches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	Sqcm	5490.00	0.25	Rupees And Paise Twenty Five Only
103	Supply and fixing of Metal fan hook box	Each	13.00	92.00	Rupees Ninety Two Only
104	Supplying and fixing of modular switch/Socket/Stepped Electronic fan regulator/Dimmer/telephone socket etc on existing modular switch plate as per IS 3854 & IS 1293 GROUP A	Each	4.00	67.00	Rupees Sixty Seven Only
105	Supplying box type suitable for 28W T5 single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holders & main connectors. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic.	Each	8.00	990.00	Rupees Nine Hundred Ninety Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
106	Supplying heavy gauge PVC Conduit Pipe dia mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	Mtr	65.00	58.00	Rupees Fifty Eight Only
107	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.	Mtr	50.00	42.10	Rupees Forty Two And Paise Ten Only
108	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting etc., 6Way TP&N DB's DD)	Each	2.00	2867.00	Rupees Two Thousand Eight Hundred Sixty Seven Only
109	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.	Each	7.00	418.00	Rupees Four Hundred Eighteen Only
110	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. (63 Amps 4 pole ELMCB)	Each	1.00	3350.00	Rupees Three Thousand Three Hundred Fifty Only
111	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Each	2.00	2727.00	Rupees Two Thousand Seven Hundred Twenty Seven Only
112	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI Wire	Mtr	60.00	19.50	Rupees Nineteen And Paise Fifty Only
113	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A-Short point upto 3Mtr	Point	10.00	174.00	Rupees One Hundred Seventy Four Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
114	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A -Medium point upto 3Mtr	Point	10.00	245.00	Rupees Two Hundred Forty Five Only
115	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A-Long point upto 3Mtr	Point	10.00	363.00	Rupees Three Hundred Sixty Three Only
116	Concealed Conduit System Supplying heavy gauge PVC conduit pipe mm dia mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary - 25mm dia 2mm thick	Mtr	250.00	57.00	Rupees Fifty Seven Only
117	Supplying and fixing of Stepped electronic regulator Scket type.(11/29) a) Group A	Each	9.00	67.00	Rupees Sixty Seven Only
118	Supplying and fixing PBBC bakelite straight or slant batten holder and wiring, within 60w/230 Volts lamps a) Group 'A'	Each	38.00	88.00	Rupees Eighty Eight Only
119	Supplying of slim box type fluorescent fitting, made out of PVC Body with 28W Energy Saving Device, less than 10% T.H.D, pf > 0.90, auto cut off facility locking type holder 1 No of 4'-28W fluorescent tube and completely wired for use on 90V to 350V grade 50 cycle AC supply.	Each	16.00	670.00	Rupees Six Hundred Seventy Only
120	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm)	Each	13.00	2376.00	Rupees Two Thousand Three Hundred Seventy Six Only
121	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.	Each	24.00	98.00	Rupees Ninety Eight Only
122	Fixing a ceiling/Wall mounting fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring completely.	Each	13.00	139.00	Rupees One Hundred Thirty Nine Only
123	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete	Mtr	60.00	106.00	Rupees One Hundred Six Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
124	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.	Mtr	50.00	265.00	Rupees Two Hundred Sixty Five Only
125	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct.	Mtr	50.00	16.20	Rupees Sixteen And Paise Twenty Only
126	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Water in the vicinity, its quality 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction	No	2.00	1938.46	Rupees One Thousand Nine Hundred Thirty Eight And Paise Forty Six Only
127	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) 0 to 50 m	Mtr	100.00	315.18	Rupees Three Hundred Fifteen And Paise Eighteen Only
128	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) 50 to 100 m	Mtr	100.00	412.00	Rupees Four Hundred Twelve Only
129	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) 100 to 150 m	Mtr	100.00	458.35	Rupees Four Hundred Fifty Eight And Paise Thirty Five Only

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	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
130	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc..) 150 to 200 m	Mtr	100.00	484.10	Rupees Four Hundred Eighty Four And Paise Ten Only
131	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc..) 200 to 250 m	Mtr	100.00	560.32	Rupees Five Hundred Sixty And Paise Thirty Two Only
132	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc..) 251 to 300 m	Mtr	100.00	600.49	Rupees Six Hundred And Paise Forty Nine Only
133	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes)	Mtr	90.00	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
134	Providing 250mm dia PVC Pipe	Rmtr	30.00	1144.00	Rupees One Thousand One Hundred Forty Four Only
135	Providing 175mm dia ms casing cap	no	2.00	100.00	Rupees One Hundred Only
136	Providing MS Casing pipe collars	no	20.00	150.00	Rupees One Hundred Fifty Only
137	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction, casing suction strainers sand guard Non return valve etc. complete . The pump and motor shall form an integral unit with all the required fittings .	no	2.00	74300.00	Rupees Seventy Four Thousand Three Hundred Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
138	Providing and fixing to wall ceiling and floor galvanised/ mild steel tubes (medium grade 1.27 kg /mt) B class 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	Mtr	420.00	525.30	Rupees Five Hundred Twenty Five And Paise Thirty Only
139	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and Powder coated extruded PVC sheathed suitable for working voltage upto 1100 Volts as per IS - 694 ; 1990 AND CONFORMING TO gtp OFGROUP A	Mtr	600.00	188.70	Rupees One Hundred Eighty Eight And Paise Seventy Only
140	Labour charges for erection of new/ repaired submersible pumpset along with gi pipes including transportation each length	NO	100.00	88.00	Rupees Eighty Eight Only
141	Supplying and flush polished wood board with out front front plank made of not less than 15mm thick plank after due groove cutting Finishing with necessary on fixing the same to the wall using tapered inverted wooden plugs screws etc.,	Each	2.00	302.00	Rupees Three Hundred Two Only
142	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated sheathed, EXTREDED INNER SHEATHRD galvanised steel, stirp confirming IS 3975;1990 AND extruded PVC outer sheathing armoured cable IS 1554 part 1:1998 and confirming to GTP of group.	Mtr	60.00	140.40	Rupees One Hundred Forty And Paise Forty Only
143	Labour charges for laying of 1.1 K.V class UG cable, P No. 61 / I No. 7.8.1 In existing trench/duct 6Sqmm to 16 Sqmm)	Mtr	60.00	10.80	Rupees Ten And Paise Eighty Only
144	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete For Cutting Road Surface asphalt	Mtr	60.00	117.00	Rupees One Hundred Seventeen Only
145	Supplying and fixing of Class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia GI pipe	Mtr	6.00	345.00	Rupees Three Hundred Forty Five Only
146	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., 16Sqmm	NO	2.00	280.00	Rupees Two Hundred Eighty Only
147	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal proportion of salt and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 through holes of 122 mm dia,	NO	2.00	2727.00	Rupees Two Thousand Seven Hundred Twenty Seven Only
148	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete 100 Amps	Each	6.00	360.00	Rupees Three Hundred Sixty Only
149	Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., complete 25mm dia	No.	24.00	86.00	Rupees Eighty Six Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
150	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing material wiring complete as required 5 to 32 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	Each	2.00	1547.00	Rupees One Thousand Five Hundred Forty Seven Only
151	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 16SWG	Sq.Cm	58500.00	0.33	Rupees And Paise Thirty Three Only
152	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	NOS	2.00	1540.88	Rupees One Thousand Five Hundred Forty And Paise Eighty Eight Only
153	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. 50mm dia	NOS	6.00	221.45	Rupees Two Hundred Twenty One And Paise Forty Five Only
154	Gate valve 50 mm nominal bore gun metal 50mm dia	NOS	6.00	1650.00	Rupees One Thousand Six Hundred Fifty Only
155	NIPPLE 50 mm nominal bore gun metal 50mm dia	NOS	2.00	104.30	Rupees One Hundred Four And Paise Thirty Only
156	S BEND 50 mm nominal bore gun metal 50mm dia	NOS	6.00	219.00	Rupees Two Hundred Nineteen Only
157	TEE 50 mm nominal bore gun metal 50mm dia	NOS	2.00	169.00	Rupees One Hundred Sixty Nine Only
158	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset.	NO	2.00	10000.00	Rupees Ten Thousand Only
159	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications	Per cmtr	45.00	161.71	Rupees One Hundred Sixty One And Paise Seventy One Only

	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
160	Providing and installing at site of work pvc pipes including cost of pipes and special and labour including lowering into trenches laying true to line level and perfect linking at joints, leak proof including jointing of approved type with all labour and lift charges handling charges including encasing the pipes all round to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete PVC pipe of 6kg/cm ² 75 mm (0.662)	Rmtr	100.00	131.84	Rupees One Hundred Thirty One And Paise Eight Four Only
161	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications	Per cmtr	45.00	95.40	Rupees Ninety Five And Paise Forty Only
162	BESCOM Deposit	No	2.00	14000.00	Rupees Fourteen Thousand Only

CONTRACTOR

Executive Engineer
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DTS Approved

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